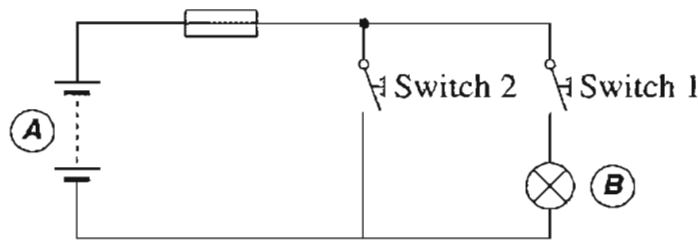


# Electrotechnology

## Section II (continued)

### Question 19 (7 marks)

An electrical circuit is shown.



- (a) Identify the components **(A)** and **(B)**.

		Component	
(i)	<b>(A)</b>	Cell - supply	1
(ii)	<b>(B)</b>	Breaker	1

- (b) Describe what will happen if Switch 1 is closed. 2

If switch one becomes closed then there will be a current flow around a series circuit.

- (c) Describe what will happen if Switch 1 remains closed and Switch 2 is also closed. 3

If both switches become closed then the current will be ~~halved~~ split and then rejoin back after switch 2, This is due this circuit being series-parallel circuit.